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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

LANAR et al.

Serial No.: 10/706,435

Filed: November 12, 2003

For: Expression, Purification and Uses of a *Plasmodium falciparum* Liver Stage Antigen  
1 Polypeptide

Examiner: Unknown

Group Art Unit : Unknown

Attny Docket: 003/285/SAP

\*\*\*\*\*

April 4, 2005

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In connection with the subject application, submitted herewith is a PTO form 1449 disclosing four references cited in the International Search Report of a corresponding international application. A copy of the International Search Report is also submitted.

This IDS is intended to be in full compliance with the rules but should the Examiner find any part of the requirements to have been omitted, prompt notice to that effect is requested along with additional time under Rule 97(f) to enable applicants to comply.

Lanar et al., 10/706,435  
4 April 2005

Consideration of the foregoing and enclosures plus the return of a copy of the herewith Form PTO-1449 with Examiner's initials in the left column per MPEP 609 are earnestly solicited.

Respectfully submitted,

By *Elizabeth Arwine*, Reg. No. 39,441  
*for* Elizabeth Arwine  
U.S. Reg. No. 45,867

U.S. A. MRMC  
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Fort Detrick, MD 21702-5012  
ATTN: MCMR -JA (Elizabeth Arwine-Patent Atty)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to:  
Mail Stop: Non Fee Amendment, P. O. Box 1450, Alexandria, VA 22313-1450  
on 4 April 2005.

By *Sana A. Pratt*  
Sana A. Pratt  
U.S. Reg. No. 39,441

DATE: 4 April 2005

Sheet 1 of 1INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

GROUP ART UNIT: Unknown

CLIENT/MATTER: 003/285/SAP

APPLICANT (inventors)  
Lanar et al.EXAMINER  
UnknownAPPLICATION NO.  
10/706,435FILING DATE  
November 12, 2003

## U. S. PATENT DOCUMENTS

Examiner's Initials	Document Number	Date Mo./Yr.	Name (Family Name of First Inventor)	Class	Subclass	Filing Date If appropriate
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					

## FOREIGN PATENT DOCUMENTS

	Document Number	Date Mo./Yr.	Country	English Abstract		Class	Subclass	Translation Available	
				Enclosed	No			Enclosed	No
	NR								

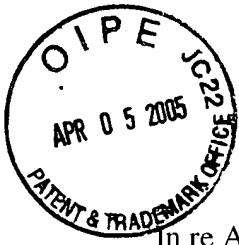
## OTHER DOCUMENTS (Including in this order, Author, Title, Periodical Name, Date, Pertinent Pages, Etc.)

QR	Fidock et al., 1994. Plasmodium falciparum liver stage antigen-1 is well conserved and contains potent B and T cell determinants. J. Immunol. 153, 190-204.
RR	Doolan et al., 2000. The complexity of protective immunity against liver-stage malaria. J. Immunol. 165, 1453-1462.
SR	Connelly et al., 1997. T-Cell immunity to peptide epitopes of liver-stage antigen 1 in an area of Papua New Guinea in which malaria is holoendemic. Infect. Immunity 65, 5082-5087.
TR	Krzych et al., 1995. T lymphocytes from volunteers immunized with irradiated Plasmodium falciparum sporozoites recognized liver and blood stage malaria antigens. J. Immunol. 155, 4072-4077.
UR	
VR	
WR	

EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
**TRANSMITTAL FORM**

In re Application of  
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P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted for filing herewith are the following items:

☒ Information Disclosure Statement

☒ 1449 form

☒ copy of International Search Report

☒ copy of four references

Fee required \$0.00

Please charge the above fee and any missing or inadequate fee re this paper to  
Deposit Account No. **21-0380** for which purpose a duplicate copy of this sheet is  
attached.

Respectfully submitted,

by Elizabeth Arwine Reg No 39,441  
for Elizabeth Arwine  
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ATTN: MCMR JA (Elizabeth Arwine- Patent Atty)

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Respectfully submitted,

by Sana A. Pratt  
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